

*Instructions  
for Operating*

**MODEL C**

**argus**  
**CAMERA**



INTERNATIONAL  
RESEARCH CORPORATION  
ANN ARBOR, MICHIGAN

Starting from f.18, each succeeding stop admits approximately twice as much light as the preceding stop. Thus, if a correct exposure of 1/30 is required at f.11 only 1/50 is necessary at f.6.3 and 1/00 at f.4.5. Decreasing the diaphragm opening increases the depth of focus or range of sharpness accordingly.

In view of the fact that 35 mm. films are available in a wide range of speeds, we would recommend using the exposure table or emulsion speed furnished by the film manufacturer to obtain correct exposure. For uniform and accurate results it is advisable to use a reliable exposure meter. The exposure guide furnished with each roll of film should be consulted and special attention given to color films which do not have the wide latitude possible with black and white emulsion.

### Removing the Film

Watch the exposure counter when nearing the end of a roll and do not pull or strain the film for additional exposures. If the film is pulled loose from the cartridge spool it will be necessary to remove it in a darkroom. After the roll has been completely exposed, rewind the film by

turning the rewinding knob (14, figure 2) in the direction of the arrow. As the film is rewound a click will be heard for each exposure. Continue to rewind for several turns after this clicking stops. When using film with paper leader continue to rewind the film until the winding knob stops revolving. This is done to permit the paper leader to completely cover and protect the film. When rewinding film, care should be taken that the free hand does not retard the motion of winding knob or counter dial.

The film should be developed shortly after removal from the camera and fine grain developing is recommended. The success of enlargements depends greatly upon correct development of your negatives. There are many excellent developers on the market at the present time and if your local photo finisher does not offer fine grain developing write International Research Corporation for full particulars regarding fine grain developing and 35 mm. laboratories specializing in this work.

The secret of clear sharp negatives depends upon three factors: *Correct Exposure, Careful Fine Grain Developing and Holding the Camera Rigid During Exposure.*



can be changed either before or after setting or cocking trip lever (16, figure 1).

A bulb exposure may be made by placing the red dot on release button (2, figure 1) directly above the Letter "B". To change the release from "I" (instantaneous) to "B", merely depress the release button as far as possible and turn  $1/4$  revolution in a clockwise direction. Release the pressure and the button will snap into normal position. When the red dot is opposite the letter "B" the shutter is ready for operation for bulb exposure. It is recommended that a hi-speed setting be used ( $1/75$  to  $1/300$ ). To operate the shutter press the release button and the shutter will remain open as long as the button is held down.

To set the release for instantaneous exposures the release button dot must be in line with the letter "I". Select the desired shutter speed and set the shutter by pressing down the setting lever (16, figure 1) until a click is heard. The shutter is now set for taking a picture. When making the actual exposure, hold the camera tightly against the face and center the subject carefully in the view finder, slowly "squeeze" the release button until the shutter trips. It

is important that the camera be held rigid while making the actual exposure and shutter speeds under  $1/30$  second should be made with the assistance of a tripod or other suitable support.

REMEMBER: 1. Shutter speeds may be changed before or after setting trip lever. 2. *Do not attempt to force trip lever unless the release button is opposite "I" or "B"*. 3. A change from "I" or "B" must be made before setting the shutter.

CAUTION: Never oil the shutter or other mechanism.

Cable Release: A Model C Cable release may be purchased from your local dealer. It is necessary to remove the release button by unscrewing in a counter clockwise direction. The cable release may now be attached in the usual manner.

### Stop Opening

The amount of light which passes through the lens is regulated by the diaphragm control ring (12, figure 1). The different openings are given in f. stops of 3.5, 4.5, 6.3, 11 and 18. The openings are set by turning the diaphragm ring with the two small buttons which are placed on the face of the ring at each end of the scale.

Press the camera against the face and sight through the eye piece the object to be photographed. The main object should always be used when focusing the camera.



A

B

C

(A) Range Finder correctly focused. Vertical lines appear unbroken.

(B) Range Finder focused for a distance beyond the main object.

(C) Range Finder focused for a distance closer than main object.

Select a vertical line of the object and turn Range Finder Knob (1, figure 3) with the forefinger of the right hand until this line appears as one straight line from the bottom of the picture to the top. See figures A, B, and C. In some cases it may be necessary to tilt the camera slightly forward to bring the vertical object in the center of the

picture. Read the figure on the range finder scale directly opposite the arrow. A corresponding figure representing feet should be set on the lens focusing ring (11, figure 1), then turn the knurled lens barrel until the proper distance is opposite the indexing line.

*The critical sharpness of your negatives depends largely upon correct focusing of your camera. Don't guess—use the range finder.*

### The Shutter

The speed dial (9, figure 1) is calibrated in two speed ranges:  $1/5$  second,  $1/10$ ,  $1/20$ ,  $1/30$ ,  $1/50$  and  $1/75$ ,  $1/100$ ,  $1/150$ ,  $1/200$ ,  $1/300$ . When using the slow speeds which appear on the Speed Dial in red figures, the slow speed button (15, figure 1) must be in the "Up" position near the red Letter "S". The black scale or hi-speed can be used only when the slow speed button is "Down" or near the black Letter "F".

To select a desired speed, pull the speed dial slightly outward from the case and rotate until the desired speed is opposite the red arrow. The dial will then automatically snap and lock into position. This setting



roll of exposures, the following steps are necessary. Note the number of exposures already made and rewind the film by turning rewinding knob (14). With a pencil write the number of exposures already made, for example 10, on the film or leader for future reference. When reloading this particular exposed film, proceed in the usual manner and reset the counter dial at zero after advancing the film 2 or 3 frames as you did with the first loading. Now advance the film to the figure 11 and the camera and film are again in normal exposing condition.

It is important to form the habit of advancing the film immediately after taking a picture. This prevents double exposure and blank frames.

### TO TAKE PICTURES

#### View Finder

The view finder brings into focus slightly less of the picture than will actually be covered by the film. This prevents cutting off parts of subjects and leaves a margin of safety in the finished negatives to permit composition when enlarging. When sighting the camera the finder eye-piece (23, figure 3), is brought as close

to the eye as possible. Verticle subject lines should be brought parallel with the vertical edge of the finder openings. The camera should be pressed firmly against the face when sighting and during exposure.

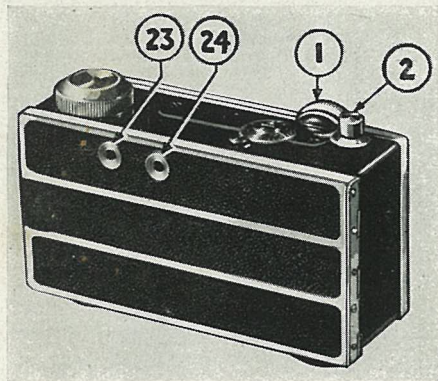


FIGURE 3.

#### Focusing the Model C Argus

The Model C Argus is equipped with a built in sextant type split image range finder. Focusing the range finder is accomplished by moving the range finder knob (1, figure 3) while sighting through the range finder eye piece (24, figure 3).

When using Agfa-Argus cartridges with paper leader, two or three complete turns of the winding knob (7) should be made before closing the back. After inspecting pressure pad (19) for dirt or film particles, close and lock the camera back.

Turn film winding knob (7) until the counter dial (3) stops. Depress counter dial release button (4) *momentarily* until the counter dial moves, then again advance the film by turning winding knob. Repeat this operation until at least two frames of film have passed the counter dial. When loading with the Agfa-Argus paper leader cartridge the film should be advanced 10 or 12 turns *after closing* the back cover. When the perforated film passes the sprocket shaft the counter dial mechanism will become active. Advance the film at least two frames before setting the counter dial.

The counter dial (4) should now be turned with the thumb and forefinger in a *counter clockwise* direction until the "O" is in line with the white marker. The Camera is now ready for the first exposure.

If for any reason you desire to remove the film before the completion of a full

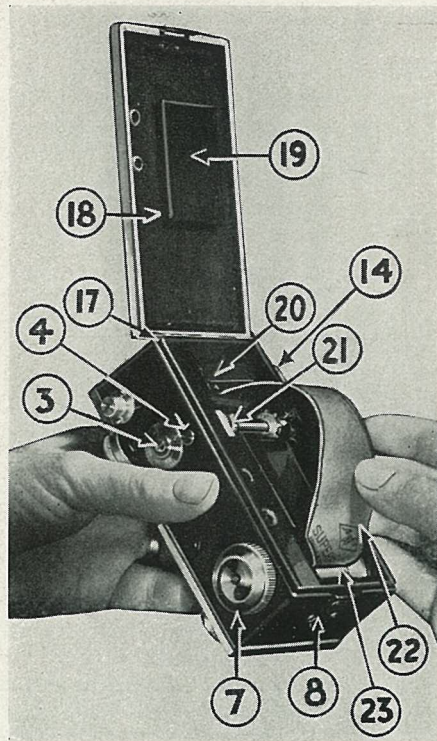


FIGURE 2.



## FILM SUGGESTIONS

---

The Model C Argus is designed to use 35mm. double perforated film. 35 mm. film is available in many different emulsions, including the new Ultra Speeds and Color Films. Film may be purchased from your local dealer in either bulk quantities or in convenient daylight loading cartridges ranging from 15 to 36 exposures.

Under good lighting conditions it is advisable to use either Eastman Panatomic, Agfa Plenachrome or Dupont Superior for minimum grain size and maximum contrast. For all general photographic purposes Agfa Superpan, obtainable in either 18 exposure Agfa-Argus cartridges or full 36 exposure rolls will be found ideal. For adverse lighting conditions such as indoor, stage and candid shots it is recommended that either Eastman Super X or Agfa Ultra speed film be used. All film should be carefully developed in a fine grain developer.

## TO LOAD THE CAMERA

Grasp the camera in the left hand, and with the thumb depress lock clip (8, figure 2). With the thumb and forefinger of the right hand, raise hinged cover (18) while lock clip is depressed. During loading operations care should be taken not to place unnecessary strain on the hinge (17). The camera should not be lifted or carried by the open back cover.

Draw out the film rewind knob (14) as far as it will come and insert the film magazine into the film cavity as in Figure 2. Snap the rewind knob back in place. This will prevent the magazine from falling out during the remainder of the loading operations. Pull enough film out of the magazine until it extends over the end of the camera case about one inch. The film (22, figure 2) should then be looped as shown and the end inserted in the slot of the winding shaft (23, figure 2).

The winding knob (7) should be turned in the direction of the arrow until the film lies flat in the film track. Advance the film until the full width is across the sprocket shaft (21) and the teeth are engaged in the perforations.

## GENERAL INSTRUCTIONS

### Hold the Camera Steady.

Never oil the shutter or other camera mechanism. Return the camera to our Service Department for adjustment or repair.

Form the habit of advancing the film for a new exposure immediately after taking a picture. This habit will prevent confusion and eliminate double exposure and blank frames.

There are four important steps to remember when making a picture: 1. Set Shutter Speed. 2. Diaphragm Opening. 3. Distance Setting. 4. Advance the film immediately after exposure.

Study this instruction book carefully. Further information may be obtained by addressing INTERNATIONAL RESEARCH CORPORATION, Ann Arbor, Michigan.

## THE MODEL C ARGUS

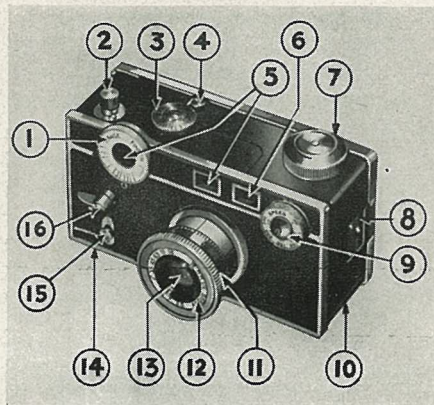


FIGURE 1.

- |                                |                       |
|--------------------------------|-----------------------|
| 1. Range Finder Knob and Scale | 8. Lock Clip          |
| 2. Shutter Release             | 9. Speed Button       |
| 3. Counter Dial                | 10. Tripod Socket     |
| 4. Counter Dial Release Button | 11. Footage Ring      |
| 5. Range Finder Openings       | 12. Diaphragm Ring    |
| 6. View Finder                 | 13. Lens              |
| 7. Winding Knob                | 14. Rewind Knob       |
|                                | 15. Slow Speed Button |
|                                | 16. Shutter Set Lever |



## **SERVICE POLICY and GUARANTEE**

The Argus Camera and accessories are guaranteed against defective material and workmanship for 90 days after shipment. This guarantee is limited to the return of the camera to the factory with transportation charges prepaid. Any defects will be corrected and the camera returned prepaid.

To assure Argus owners of low upkeep cost of our cameras, after expiration of the above guarantee, the factory will inspect and readjust any Argus Camera shipped to them prepaid, and return it prepaid to the owner for the sum of \$1.00. This policy is effective for one year from date of purchase. This does not cover replacement of cameras broken through misuse or cameras which have been abused.

Complete information regarding new Model C Accessories, filters, telephoto lens, enlargers and other items will be available in the near future. Obtain these announcements and instructions from your local dealer or write

**International Research Corporation**  
**Ann Arbor, Michigan**